

В **Overexpression in OFT-ECs**

Angiogenic factor (AGGF1) Angiomotin (AMOT) Angiogenin (ANG) Angiopoietin 1 (ANGPT1) Angiopoietin 2 (ANGPT2) Brain-specific angiogenesis inhibitor 1 (BAL1) Bone morphogenetic protein (BMP2)

Chemokine CCL15 Chemokine CCL2 CD55

Chromogranin A (CHGA) Collagen type IV, a3

(COL4A3)

Colony stimulating factor 3

(CSF3)

Chemókine CXCL10 Chemokine CXCL11 Chemokine CXCL12 Chemokine CXCL13 Chemokine CXCL14

Chemokine CXCL 2 Chemokine CXCL 3 Chemokine CXCL 5 Chemokine CXCL 9

Thymidine phosphorylase

(TYMP)

Epiregúlin (EREG) Fibroblast growth factor 1

(FGF1)

Fibroblast growth factor

(FGF13)

Fibroblast growth factor binding protein 1 (FGFBP1)

C-fos induced growth factor

Fibronectin 1 (FN1) Granulin (GRN)

Gastrin-releasing peptide (GRP)

Hepatocyte growth factor

(HGF)

Ínterféron α1 (IFNA1) Interferon \(\begin{align*} 1 (\begin{align*} \begin{align*} \begin{align*} 1 (\begin{align*} \begin{align*} \begin{align*} 1 (\begin{align*} \begin{align*} \begin{align*

Interferon γ (IFNG) Interleukin 10 (IL10)

Interleukin 12A (IL12A) Interleukin 12B (IL12B)

Interleukin 17F (IL17F)

Interleukin 6 (IL6) Interleukin 8 (IL8)

Kit ligand (KITLG) Kallikrein-related

peptidase 3 (KLK3)

Leptin (LEP) Natriuretuc peptide B

(NPPB)

Natriureticpeptide receptor A (NPR1)

Platelet factor 4 (PF4) Plasminogen (PLG)

Pro-platelet basic protein (PPBP)

Prolactin (PRL)

Prokineticin 1 (PROK1) Pleiotrophin (PTN)

Stabilin 1 (STAB1)

Serpin peptidase inhibitor, Clade C1 (SERPINC1) Serpin peptidase inhibitor, Clade F1 (SERPINF1)

Serpin peptidase inhibitor, Kazal type 5 (SPINK5)

Transforming growth factor A (TGFA) Transforming growth factor B1 (TGFB1)

Angiopoietin receptor TIE1

TIMP metallopeptidase inhibitor 3 (TIMP3)

Tumor necrosis factor (TNF)

Vascular endothelial growth factor A (VEGFA)

Equal expression

Collagen type XVIII, α 1 (COL18A1)

Chemokiné (CXCL6)

EGF-like repeats and discoidin I-

like domains 3 (EDIL3)

Basic fibroblast growth factor (FGF2)

Follistatin (FST)

Midkine (MDK) Platelet-derived growth factor B

(PDGFB)

Platelet-derived growth factor D

(PDGFD)

Placental growth factor (PGF)

Ribonuclease/angiogenin inhibitor 1 (RNH1)

TIMP inhibitor 1 (TIMP1) TIMP inhibitor 2 (TIMP2)

Overexpression in OECs

CD59

Serpin peptidase inhibitor, clade E1 (SERPINE 1) Thrombospondin 1 (THBS 1) **Supplementary information, Figure S2** Human cardiac endothelial cells express more angiocrine factors than non-cardiac cord blood-derived endothelial cells.

(A) Correlation of angiocrine gene expression between qPCR data obtained from the purified CD144⁺CD31⁺ ECs from the outflow tract of human fetal hearts at 10 weeks of gestation (OFT-ECs) and the non-cardiac, human cord blood-derived outgrowth endothelial cells (OECs) (n=5). (B) Lists of angiocrine genes upregulated, equally expressed or downregulated in the outflow tract of human fetal hearts at 10 weeks of gestation compared to the non-cardiac, human cord blood-derived OECs.